

Soil Features

(See text for definitions of terms used in this table. Absence of an entry indicates that the feature is not a concern or that data were not estimated.)

Jackson County, Iowa

Map symbol and soil name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
11B: COLO-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
ELY-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
27B: TERRIL-----	---	> 80	---	---	---	---	Moderate----	Moderate----	Low.
41B: SPARTA-----	---	> 80	---	---	---	---	Low-----	Low-----	Moderate.
41C: SPARTA-----	---	> 80	---	---	---	---	Low-----	Low-----	Moderate.
41D: SPARTA-----	---	> 80	---	---	---	---	Low-----	Low-----	Moderate.
63B: CHELSEA-----	---	> 80	---	---	---	---	Low-----	Low-----	Low.
63C: CHELSEA-----	---	> 80	---	---	---	---	Low-----	Low-----	Low.
63D: CHELSEA-----	---	> 80	---	---	---	---	Low-----	Low-----	Low.
63F: CHELSEA-----	---	> 80	---	---	---	---	Low-----	Low-----	Low.
65E2: LINDLEY-----	---	> 80	---	---	---	---	Moderate----	Moderate----	Moderate.
65F2: LINDLEY-----	---	> 80	---	---	---	---	Moderate----	Moderate----	Moderate.
110C2: LAMONT-----	---	> 80	---	---	---	---	Moderate----	Low-----	Moderate.

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		In	In		In	In			
118: GARWIN-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
119B: MUSCATINE-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
120B: TAMA-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
120B2: TAMA-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
120C: TAMA-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
120C2: TAMA-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
120D2: TAMA-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
128: CHASEBURG-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
PERKS-----	---	> 80	---	---	---	---	Low-----	Low-----	Moderate.
129B: CHASEBURG-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
ARENZVILLE-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
133: COLO-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
142: CHASEBURG-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.

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	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
158: DORCHESTER-----	---	> 80	---	---	---	---	High-----	High-----	Low.
159B: FINCHFORD-----	---	> 80	---	---	---	---	Low-----	Low-----	Low.
162B: DOWNS-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
162B2: DOWNS-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
162C: DOWNS-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
162C2: DOWNS-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
162D: DOWNS-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
162D2: DOWNS-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
162D3: DOWNS-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
162E2: DOWNS-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
162E3: DOWNS-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
162F2: DOWNS-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
163B: FAYETTE-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.

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	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
163C: FAYETTE-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
163C2: FAYETTE-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
163D: FAYETTE-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
163D2: FAYETTE-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
163D3: FAYETTE-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
163E: FAYETTE-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
163E2: FAYETTE-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
163E3: FAYETTE-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
163F: FAYETTE-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
163F2: FAYETTE-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
163F3: FAYETTE-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
163G: FAYETTE-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
175B: DICKINSON-----	---	> 80	---	---	---	---	Moderate----	Low-----	Moderate.

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	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
175C2: DICKINSON-----	---	> 80	---	---	---	---	Moderate----	Low-----	Moderate.
198B: FLOYD-----	---	> 80	---	---	---	---	High-----	High-----	Low.
249: ZWINGLE-----	---	> 80	---	---	---	---	Moderate----	High-----	Moderate.
291B: ATTERBERRY-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
293C2: FAYETTE-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
LAMONT-----	---	> 80	---	---	---	---	Moderate----	Low-----	Moderate.
CHELSEA-----	---	> 80	---	---	---	---	Low-----	Low-----	Low.
293D: FAYETTE-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
LAMONT-----	---	> 80	---	---	---	---	Moderate----	Low-----	Moderate.
CHELSEA-----	---	> 80	---	---	---	---	Low-----	Low-----	Low.
293D2: FAYETTE-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
LAMONT-----	---	> 80	---	---	---	---	Moderate----	Low-----	Moderate.
CHELSEA-----	---	> 80	---	---	---	---	Low-----	Low-----	Low.

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Map symbol and soil name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
293E2:									
FAYETTE-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
LAMONT-----	---	> 80	---	---	---	---	Moderate----	Low-----	Moderate.
CHELSEA-----	---	> 80	---	---	---	---	Low-----	Low-----	Low.
293F:									
FAYETTE-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
LAMONT-----	---	> 80	---	---	---	---	Moderate----	Low-----	Moderate.
CHELSEA-----	---	> 80	---	---	---	---	Low-----	Low-----	Low.
293F2:									
FAYETTE-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
LAMONT-----	---	> 80	---	---	---	---	Moderate----	Low-----	Moderate.
CHELSEA-----	---	> 80	---	---	---	---	Low-----	Low-----	Low.
293G:									
FAYETTE-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
LAMONT-----	---	> 80	---	---	---	---	Moderate----	Low-----	Moderate.
CHELSEA-----	---	> 80	---	---	---	---	Low-----	Low-----	Low.
320:									
ARENZVILLE-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
352B:									
WHITTIER-----	---	> 80	---	---	---	---	Moderate----	Moderate----	Moderate.
354:									
AQUOLLS-----	---	> 80	---	---	---	---	None-----	---	---

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Map symbol and soil name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
377B: DINSDALE-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
377B2: DINSDALE-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
412C: EMELINE-----	Bedrock (lithic)	4- 12	---	---	---	---	Moderate----	Low-----	Low.
412D: EMELINE-----	Bedrock (lithic)	4- 12	---	---	---	---	Moderate----	Low-----	Low.
412F: EMELINE-----	Bedrock (lithic)	4- 12	---	---	---	---	Moderate----	Low-----	Low.
420B: TAMA-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
428B: ELY-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
450B: PILLOT-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
450C2: PILLOT-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
462B: DOWNS-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
463B: FAYETTE-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
463C: FAYETTE-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
463C2: FAYETTE-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.

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Map symbol and soil name	Restrictive layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
478G: NORDNESS-----	Bedrock (lithic)	8- 20	---	---	---	---	Low-----	Low-----	Low.
ROCK OUTCROP-----	---	---	---	---		---	---	---	---
480C2: ORWOOD-----	---	> 80	---	---	---	---	Moderate----	Low-----	Moderate.
480D2: ORWOOD-----	---	> 80	---	---	---	---	Moderate----	Low-----	Moderate.
480F2: ORWOOD-----	---	> 80	---	---	---	---	Moderate----	Low-----	Moderate.
482B: RACINE-----	---	> 80	---	---	---	---	Moderate----	Low-----	Moderate.
482C2: RACINE-----	---	> 80	---	---	---	---	Moderate----	Low-----	Moderate.
484: LAWSON-----	---	> 80	---	---	---	---	High-----	Moderate----	Low.
487B: WORTHEN-----	---	> 80	---	---	---	---	High-----	Low-----	Low.
OTTER-----	---	> 80	---	---	---	---	High-----	High-----	Low.
488C2: NEWVIENNA-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
488D2: NEWVIENNA-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
488D3: NEWVIENNA-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.

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	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
488E2: NEWVIENNA-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
488E3: NEWVIENNA-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
490: CANEK-----	---	> 80	---	---	---	---	High-----	High-----	Low.
496B: DORCHESTER-----	---	> 80	---	---	---	---	High-----	High-----	Low.
VOLNEY-----	---	> 80	---	---	---	---	Low-----	Low-----	Low.
499D: NORDNESS-----	Bedrock (lithic)	8- 20	---	---	---	---	Low-----	Low-----	Low.
499F: NORDNESS-----	Bedrock (lithic)	8- 20	---	---	---	---	Low-----	Low-----	Low.
520: COPPOCK-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
523E2: ROZETTA-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
DERINDA-----	Bedrock (paralithic)	20- 40	---	---	---	---	Moderate----	Moderate----	Moderate.
523F2: ROZETTA-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
DERINDA-----	Bedrock (paralithic)	20- 40	---	---	---	---	Moderate----	Moderate----	Moderate.

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	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
523F3: ROZETTA-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
DERINDA-----	Bedrock (paralithic)	20- 40	---	---	---	---	Moderate----	Moderate----	Moderate.
589: OTTER-----	---	> 80	---	---	---	---	High-----	High-----	Low.
623D2: ROZETTA-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
623D3: ROZETTA-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
623E2: ROZETTA-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
623E3: ROZETTA-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
623F2: ROZETTA-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
623F3: ROZETTA-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
703C2: DUBUQUE-----	Bedrock (lithic)	20- 30	---	---	---	---	High-----	Moderate----	Moderate.
703D: DUBUQUE-----	Bedrock (lithic)	20- 30	---	---	---	---	High-----	Moderate----	Moderate.
703D2: DUBUQUE-----	Bedrock (lithic)	20- 30	---	---	---	---	High-----	Moderate----	Moderate.
703E: DUBUQUE-----	Bedrock (lithic)	20- 30	---	---	---	---	High-----	Moderate----	Moderate.

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	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
703E2: DUBUQUE-----	Bedrock (lithic)	20- 30	---	---	---	---	High-----	Moderate----	Moderate.
703F: DUBUQUE-----	Bedrock (lithic)	20- 30	---	---	---	---	High-----	Moderate----	Moderate.
712F: SCHAPVILLE-----	Bedrock (paralithic)	20- 40	---	---	---	---	Moderate----	High-----	Moderate.
749: ZWINGLE VARIANT----	---	> 80	---	---	---	---	Moderate----	High-----	High.
775B: BILLETT-----	---	> 80	---	---	---	---	Moderate----	Low-----	Moderate.
775C2: BILLETT-----	---	> 80	---	---	---	---	Moderate----	Low-----	Moderate.
799G: DORERTON-----	---	> 80	---	---	---	---	Low-----	Low-----	Moderate.
LACRESCENT-----	---	> 80	---	---	---	---	Moderate----	Low-----	Low.
814B: ROCKTON-----	Bedrock (lithic)	20- 40	---	---	---	---	Moderate----	Low-----	Low.
814C: ROCKTON-----	Bedrock (lithic)	20- 40	---	---	---	---	Moderate----	Low-----	Low.
814C2: ROCKTON-----	Bedrock (lithic)	20- 40	---	---	---	---	Moderate----	Low-----	Low.
826: ROWLEY-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
903C2: FRANKVILLE-----	Bedrock (lithic)	20- 40	---	---	---	---	High-----	Moderate----	Moderate.

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		In	In		In	In			
903D2: FRANKVILLE-----	Bedrock (lithic)	20- 40	---	---	---	---	High-----	Moderate----	Moderate.
914C2: WINNESHIEK-----	Bedrock (lithic)	20- 40	---	---	---	---	Moderate----	Moderate----	Moderate.
914D2: WINNESHIEK-----	Bedrock (lithic)	20- 40	---	---	---	---	Moderate----	Moderate----	Moderate.
926: CANOE-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
930: ORION-----	---	> 80	---	---	---	---	High-----	High-----	Low.
930B: ORION-----	---	> 80	---	---	---	---	High-----	High-----	Low.
938D2: NEWGLARUS-----	Bedrock (paralithic)	20- 40	---	---	---	---	High-----	Moderate----	Moderate.
938E: NEWGLARUS-----	Bedrock (paralithic)	20- 40	---	---	---	---	High-----	Moderate----	Moderate.
938E2: NEWGLARUS-----	Bedrock (paralithic)	20- 40	---	---	---	---	High-----	Moderate----	Moderate.
939D: DONATUS-----	Bedrock (lithic)	20- 40	---	---	---	---	High-----	Moderate----	Moderate.
ROLLINGSTONE-----	---	> 80	---	---	---	---	Moderate----	Moderate----	High.

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	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
939D2: DONATUS-----	Bedrock (lithic)	20- 40	---	---	---	---	High-----	Moderate----	Moderate.
ROLLINGSTONE-----	---	> 80	---	---	---	---	Moderate----	Moderate----	High.
939E2: DONATUS-----	Bedrock (lithic)	20- 40	---	---	---	---	High-----	Moderate----	Moderate.
ROLLINGSTONE-----	---	> 80	---	---	---	---	Moderate----	Moderate----	High.
939F: DONATUS-----	Bedrock (lithic)	20- 40	---	---	---	---	High-----	Moderate----	Moderate.
ROLLINGSTONE-----	---	> 80	---	---	---	---	Moderate----	Moderate----	High.
939F2: DONATUS-----	Bedrock (lithic)	20- 40	---	---	---	---	High-----	Moderate----	Moderate.
ROLLINGSTONE-----	---	> 80	---	---	---	---	Moderate----	Moderate----	High.
941G: MEDARY VARIANT-----	---	> 80	---	---	---	---	Moderate----	High-----	Moderate.
976B: RADDLE-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
978B: FESTINA-----	---	> 80	---	---	---	---	High-----	Moderate----	Moderate.
981B: WORTHEN-----	---	> 80	---	---	---	---	High-----	Low-----	Low.
981C: WORTHEN-----	---	> 80	---	---	---	---	High-----	Low-----	Low.
1119: MUSCATINE-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.

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		In	In		In	In			
1160: WALFORD-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
1291: ATTERBERRY-----	---	> 80	---	---	---	---	High-----	High-----	Moderate.
1490: CANEK-----	---	> 80	---	---	---	---	High-----	High-----	Low.
1587: DOLBEE-----	---	> 80	---	---	---	---	High-----	High-----	Low.
1587B: DOLBEE-----	---	> 80	---	---	---	---	High-----	High-----	Low.
4000: URBAN LAND-----	---	---	---	---	---	---	---	---	---
5010: PITS, SAND AND GRAVEL-----	---	---	---	---	---	---	---	---	---
5030: PITS, LIMESTONE QUARRY-----	Bedrock (lithic)	0- 4	---	---	---	---	---	---	---
5040B: ORTHENTS-----	---	---	---	---	---	---	None-----	---	---
W: WATER-----	---	---	---	---	---	---	---	---	---